Amend claim 3 as follows:

3. (amended) The isolated protein according to claim 1 comprising an amino acid sequence, which exhibits at least 70% amino acid identity with the amino acid sequence 531-1781 of SEQ ID No. 2.

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Cancel claim 4.

Cancel claim 5.

Amend claim 6 as follows:

6. (amended) The isolated protein according to claim 1, which exhibits at least 70% amino acid identity with the amino acid sequence of SEQ ID No. 2.

B3

{Amend claim 7 as follows:}

7. (amended) The isolated protein according to claim 1, comprising an amino acid sequence of at least 200 amino acids which exhibits at least 55% amino acid identity with the corresponding part of the amino acid sequence 972-1514 of SEQ ID No. 2.

{Amend claim 8 as follows:}

8. (amended) The isolated protein according to claim 1, comprising an amino acid sequence of at least 200 amino acids

which exhibits at least 65% amino acid identity with the corresponding part of the amino acid sequence 972-1514 of SEQ ID No. 2.

{Amend claim 9 as follows:}

B3 CONT

9. (amended) The isolated protein according to claim 1, comprising an amino acid sequence of at least 100 amino acids exhibiting at least 50% amino acid identity with the corresponding part of the amino acid sequence 1515-1781 of SEQ ID No. 2.

{Amend claim 10 as follows:}

10. (amended) The isolated protein according to claim 1, comprising an amino acid sequence of at least 100 amino acids exhibiting at least 60% amino acid identity with the corresponding part of the amino acid sequence 1515-1781 of SEQ ID No. 2.

{Amend claim 11 as follows:}

11. (amended) The isolated protein according to claim 1, comprising at least one of the amino acids Pro-1026, Ile-1029, Met-1034, Asn-1035, Ser-1136, Ala-1143, Ile-1168, Leu-1223, Ala-1413, Val-1418, Ala-1428, Leu-1442 in the same relative position as the corresponding amino acids of the amino acid sequence of SEQ ID No. 2.

{Amend claim 12 as follows:}

12. (amended) The isolated protein according to claim 1 which, in the presence of sucrose, produces a glucan having 38-48% 4-linked anhydroglucose units, 17-28% 6-linked anhydroglucose units, and 7-20% 4,6-linnked anhydroglucose units.

B3 cont.

{Amend claim 13 as follows:}

13. (amended) The isolated protein according to claim 1 which is a recombinant protein.

Add the following new claims:

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24. (new) An isolated protein having glucosyltransferase activity comprising an amino acid sequence, which exhibits at least 70% amino acid identity, as determined by the BLAST algorithm, with the amino acid sequence 531-1781 of SEQ ID No. 2, and comprising an amino acid sequence of about 200 amino acids which exhibits at least 65% amino acid identity with the corresponding part of the amino acid sequence 972-1514 of SEQ ID No. 2, and comprising an amino acid sequence of at least 100 amino acids exhibiting at least 60% amino acid identity with the corresponding part of the amino acid sequence 1515-1781 of SEQ ID No. 2.

25. (new) An isolated protein having glucosyltransferase activity comprising an amino acid sequence,